Muhammad Bilal Naeem

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EDUCATION

Lahore University of Management Sciences, Lahore, Pakistan

- BS in Computer Science   Aug 2017 – Jun 2021
  - Cumulative GPA: 3.62 / 4.0
  - SCGPA: 3.784 / 4.0
  - Relevant Courses: Principles and Techniques of Data Sciecne, Introduction to Problem Solving, Introduction to Programming, Advanced Programming, Statistics. Probability, Deep Learning, Data Structures, Fundamentals of Computer Systems, Discrete Mathematics, Network-Centric Computing, Software Engineering
  - Online Relevant Course: Udacity's Introduction to Machine Learning, Harvard's CS50, MIT's Introduction to Algorithm, Udacity's Introduction to Operating System, Fast.ai's Practical Deep Learning for Coders.

RESEARCH EXPERIENCE

Research Work with Dr. Fareed Zaffar   May 2019 – Present
- API Data Leakage
- Android & Web Security
- Software Defined Networking

Paper Submitted for IEEE InfoCom 2021
- Paper submitted on condition of security in Outsourced v/s Inhouse apps and in Developed v/s Developing World apps
- Second author with Dr. Fareed Zaffar(Ph.D Duke University) and Dr. Rashid Tahir(Ph.D UIUC)

TEACHING EXPERIENCE

Lahore University of Management Sciences, Lahore, Punjab, Pakistan

- Teaching Assistant, Department of Computer Science,   Fall 2019
  CS 100-Introduction to Problem Solving with Dr Tariq Jadoon
- Teaching Assistant, Department of Computer Science,   Spring 2020
  CS 100-Introduction to Problem Solving with Dr Junaid Haroon Siddique
- Teaching Assistant, Department of Computer Science,   Fall 2020
  CS 225-Fundamentals of Computer Systems with Dr Agha Ali Raza
- Instructor, Code School.pk,   Aug 2020 – Present
  Python and Scratch Instructor

UNDERGRADUATE PROJECTS

- Prinicple and Techniques of Data Science
  - Project: Analysis of Ad Fraud Videos on Youtube
    Superviser: Dr Mobin Javed(PhD UC Berkeley)
    Focus: Used regression algorithm to predict videos promoting Ad-Click Fraud on Youtube
- Madadgaar
  - Project: Blood and Plasma Donation Website
    Focus: Co Founded and Developed a Blood and Plasma Donation System, which is being used to help people.
- Network Centric Computing
  - Project: DHT Based P2P File Sharing System
    Focus: Developed a DHT based Self Scalable P2P file sharing Desktop Application using Python
- Softronix Inc.
  - Project: Servers Side APIs for Softronix Inc
    Focus: Developed Server Side APIs and Windows services for Softronix Inc.'s Salesman Management App deployed at scale

LANGUAGES

- English: Fluent (speaking, reading, writing), Urdu: (native) & Punjabi (native)

SKILLS

- Python, C++, JS, Express JS, ASP.NET, GoLang, Haskell, Java, Android Development, Website Development, HTML, CSS, Stata, R

LEADERSHIP ROLES

- General Secretary, LSCSE (2019-2020)
- Director Media and Promotions, LSCSE (2018-2019)

HONORS & AWARDS

- Dean's Honor List Academic Year 2019-2020
- Dean's Honor List Semester Fall 2017
- Dean's Honor List Semester Spring 2019
- National Outreach Program Scholarship at LUMS, Lahore(PKR 4.1 Million)